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**(54) PRINTER AND
METHOD FOR
CORRECTING COLOR
REGISTRATION ERROR
FOR THE PRINTER**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a printer and a method for correcting a color registration error therefor with which a structure for measuring an error amount from a test pattern is simplified and a measurement accuracy can be enhanced.

SOLUTION: The printer includes a plurality of light detectors 38, 48, 58 and 68 for detecting a part of light projected from light scan devices 30, 40, 50 and 60, an engine controller 140 for controlling driving of the light scan devices, developing device 36, 46, 56 and 66 and a roller with use of light receive signals output from the light detectors so that a test pattern for each light scan device set to detect a color registration error of light scan devices is formed to a

photosensitive medium, and a pattern position-detecting means 170 for detecting a position of the test pattern formed through a development process at a fixed position. An amount of the color registration error is calculated from the provided information on position of the test pattern, and color registration correction data is obtained from the calculated amount of the error.

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